PATENT COOPERATION TREATY INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY To: WRITTEN OPINION OF THE Page White & Farrer INTERNATIONAL PRELIMINARY 54 Doughty Street **EXAMINING AUTHORITY** 2 6 JAN 7001 LONDON WC1N 2LS (PCT Rule 66) United Kingdom Date of mailing 2 2 -01- 2004 (day/month/year) REPLY DUE Applicant's or agent's file reference within 60 months/days from the above date of mailing 207271/KCS/PJB/nlb Priority date (day/month/year) International filing date (day/month/year) International application No. 29-04-2002 PCT/IB 2002/002324 International Patent Classification (IPC) or both national classification and IPC Applicant Nokia Corporation et al. The written opinion established by the International Searching Authority: considered to be a written opinion of the International Preliminary Examining Authority. (first, etc.) opinion contains indications relating to the following items: 2. first Basis of the opinion Box No. I Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Box No. IV Lack of unity of invention Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; Box No. V citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 3. The applicant is hereby invited to reply to this opinion. See the time limit indicated above. The applicant may, before the expiration of that time limit, request this Authority to grant an extension, see Rule 66.2(e). By submitting a written reply, accompanied, where appropriate, by amendments, according to Rule 66.3. How?

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1	Name and mailing address of the IPEA/SE	Authorized officer
	Patent- och registreringsverket	
	Box 5055	
		Kristoffer Ogebjer /LR
i	Facsimile No. 46 8 667 72 88	Telephone No. 46 8 782 25 00

For the form and the language of the amendments, see Rules 66.8 and 66.9.

For an informal communication with the examiner, see Rule 66.6. For an additional opportunity to submit amendments, see Rule 66.4.

The final date by which the international preliminary report on patentability (Chapter II of the PCT) must be established according to Rule 69.2 is:

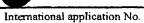
For the examiner's obligation to consider amendments and/or arguments, see Rule 66.4bis.

If no reply is filed, the international preliminary examination report will be established on the basis of this opinion.

Also

29-08-2004





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WRITTEN OPINION OF THE INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

Во	x No. I	Basis of the opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in it was filed, unless otherwise indicated under this item.
		This opinion is based on a translation from the original language into the following language , which is the language of a translation furnished for the purposes of:
		international search (under Rules 12.3 and 23.1(b))
		publication of the international application (under Rule 12.4)
		international preliminary examination (under Rules 55.2 and/or 55.3)
2.	which	regard to the elements of the international application, this opinion has been established on the basis of (replacement sheets have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as nally filed."):
	\bowtie	the international application as originally filed/furnished
		the description:
		pages as originally filed/furnished
		pages received by this Authority on received by this Authority on
	$\overline{}$	
		the claims:
		pages as arriginally filed/furnished pages as amended (together with any statement) under Article 19
		pages as amended (together with any statement) under Article 19 pages received by this Authority on
		pages received by this Authority on
		the drawings:
		pages as originally filed/furnished
		pages received by this Authority on
		pages received by this Authority on
		a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3.		The amendments have resulted in the cancellation of:
		the description, pages
		the claims, Nos.
		the drawings, sheets/figs
		the sequence listing (specify):
		any table(s) related to the sequence listing (specify):
4.		This opinion has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
		the description, pages
		the claims, Nos.
		the drawings, sheets/figs
		the sequence listing (specify):
		any table(s) related to the sequence listing (specify):
		0.1.307

Form PCT/IPEA/408 (Box No. 1) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

International application No.

PCT/IB 2002/002324

Box No. V Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1.	Statement		
	Novelty (N)	Claims Claims	1,4,6-9,12-14,20,21
	Inventive step (IS)	Claims Claims	1-21
	Industrial applicability (IA)	Claims Claims	

Citations and explanations:

D1: "Stream Control Transmission Protocol" R. Stewart 2000 October.

D2: "TLS over SCTP" Jungmaier A. 2001 14 Nov.

The objective of the invention is to provide a communication between two entities without requiring the fifth adaptation layer.

D1 discloses the SCTP format. The format includes source port and destination port, which distinguish between connections. This is information that concerns the connection and thereby when sent to entities connection information is transferred between the entities.

D2 discloses SCTP signalling, wherein the signalling further contains TLS. The TLS involves handshaking, which means that connection identity information is transferred between the entities.

D1 is considered to be the closest state of the art.

According to D1 the Payload Protocol Identifier represents an application identifier. From what D1 discloses the invention according to claims 1,4,6-9,12, 20 and 21 is not novel.

From what D2 discloses the invention according to claims 1,13,14 and 20 is not novel.

From what is known from D1 or D2 the invention according to claims 2,3,5,15-19 only states details known or obvious to a person skilled in the art. These details concerns what the connection information comprises, different types of entities, forwarding the packet etc. and does not require an extra inventive activity by the skilled

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WRITTEN OPINION OF THE INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: Box $\,V\,$

person to arrive at the object according to the claims 2,3,5,15-19.

The invention according to claims 10,11 further differs from D1 in the matter of placing the connection information in a separate field in the header of a SCTP packet.

The effect of this is to be able to omit the adaptation layer

The problem underlying the present application is consequently that the address information should be transferred to the entity without an extra adaptation layer.

D1 states that the sender's port number in the header can be used in combination with the source ΙP address, destination port and the destination IP address to identify the association to which the packet belongs. With this knowledge it is considered obvious to a person skilled in the art to adjust the protocol according to D1 by implementing the address in a separate field of the header in order to omit the adaptation layer according to claims 10 and 11 of the present application.

The invention according to claims 10 and 11 lacks an inventive step.